

Declaration of Performance

According to Annex III of the Regulation (EU) Nr.305/2011
(Construction Products Regulation).

Walraven pipe clamps BISMAT® 2000

DoP No. 22/0562-BISMAT-2000

1. Unique identification code of the product-type:

Walraven pipe clamps BISMAT® 2000, item numbers:

3413018 3413023 3413028 3413035 3413043 3413053 3413054 3413063 3403018 3403023
3403028 3403035 3403043 3403053 3403054 3403063 3403064 3403070 3403080 3403091
3403105 3403114 3403119 3403125 3403141 3423168 3423210 3423219

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Date code is printed on the packaging

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Supporting technical building equipment according to EAD 280016-00-0602

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

J. van Walraven Holding B.V., Industrieweg 5, 3641 RK Mijdrecht, The Netherlands

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): n/a

n/a

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

n/a

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

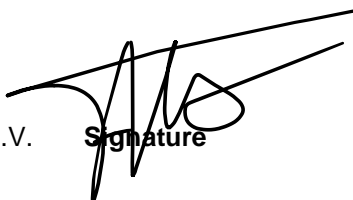
Technical and Test Institute for Construction Prague (TZUS) issued ETA 22/0562 on the basis of EAD 280016-00-0602, performed third party tasks under System 3 and issued document ER ETA 22/0562.

9. Declared performance:

Essential Characteristic	Performance	Harmonized Technical Specification
Characteristic and design resistance	See ETA 22/0562, Annex B1	
Serviceability Limit State	See ETA 22/0562, Annex B2	EAD 280016-00-0602
Resistance and deformation under fire exposure	NPD	
Reaction to fire: steel parts	A1	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Frank Nijdam
Co-CEO
J. van Walraven Holding B.V.



Signature

Date 08-02-2024

Annex B1

Characteristic and design resistance of Walraven pipe clamps BISMAT® 2000

The characteristic resistance of pipe clamp was tested in accordance with Cl. 2.2.3.3 of the EAD 280016-00-0602.

The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. characteristic resistance F_{Rk} [N]	Min. design resistance F_{Rd} [N]
3413018	BISMAT® 2000 M8 1-screw 15-18	1500	1000
3413023	BISMAT® 2000 M8 1-screw 20-23	1500	1000
3413028	BISMAT® 2000 M8 1-screw 25-28	1500	1000
3413035	BISMAT® 2000 M8 1-screw 31-35	1500	1000
3413043	BISMAT® 2000 M8 1-screw 40-43	2500	1900
3413053	BISMAT® 2000 M8 1-screw 48-51	2500	1900
3413054	BISMAT® 2000 M8 1-screw 53-56	2500	1900
3413063	BISMAT® 2000 M8 1-screw 59-63	2500	1900
3403018	BISMAT® 2000 M8/M10 1-screw 15-18	1500	1000
3403023	BISMAT® 2000 M8/M10 1-screw 20-23	1500	1000
3403028	BISMAT® 2000 M8/M10 1-screw 25-28	1500	1000
3403035	BISMAT® 2000 M8/M10 1-screw 31-35	1500	1000
3403043	BISMAT® 2000 M8/M10 1-screw 40-43	2500	1900
3403053	BISMAT® 2000 M8/M10 1-screw 48-51	2500	1900
3403054	BISMAT® 2000 M8/M10 1-screw 53-56	2500	1900
3403063	BISMAT® 2000 M8/M10 1-screw 59-63	2500	1900

Table B1.1: Characteristic and design resistance of Walraven pipe clamp BISMAT® 2000 1-screw

Part No.	Designation	Min. characteristic resistance F_{Rk} [N]	Min. design resistance F_{Rd} [N]
3403064	BISMAT® 2000 M8/10 2-screw 57-64	2900	2600
3403070	BISMAT® 2000 M8/10 2-screw 64-70	2900	2600
3403080	BISMAT® 2000 M8/10 2-screw 73-80	2900	2600
3403091	BISMAT® 2000 M8/10 2-screw 83-91	4200	4000
3403105	BISMAT® 2000 M8/10 2-screw 100-105	4200	4000
3403114	BISMAT® 2000 M8/10 2-screw 108-114	4200	4000
3403119	BISMAT® 2000 M8/10 2-screw 116-119	4200	4000
3403125	BISMAT® 2000 M8/10 2-screw 122-125	4200	4000
3403141	BISMAT® 2000 M8/10 2-screw 133-141	4200	4000
3423168	BISMAT® 2000 M10 2-screw 159-168	6400	3500
3423210	BISMAT® 2000 M10 2-screw 200-210	6400	3500
3423219	BISMAT® 2000 M10 2-screw 210-219	6400	3500

Table B.1.2: Characteristic and design resistance of Walraven pipe clamp BISMAT® 2000 2-screw

Annex B2

Resistance under serviceability limit state of Walraven pipe clamps BISMAT® 2000

The Resistance under serviceability limit state of pipe clamp was tested in accordance with Cl. 2.2.3.4 of the EAD 280016-00-0602. The largest and the smallest dimension from each subgroups (cross sectional geometry of the pipe steel band, material specifications, closing mechanism, joint between the threaded boss and pipe clamp band, threaded boss, material and cross-section geometry of the rubber inlay) was tested.

Part No.	Designation	Min. average serviceability limit state F_{SLS} [N]	Displacement criteria [mm]
3413018	BISMAT® 2000 M8 1-screw 15-18	450	1,5
3413023	BISMAT® 2000 M8 1-screw 20-23	450	1,5
3413028	BISMAT® 2000 M8 1-screw 25-28	450	1,5
3413035	BISMAT® 2000 M8 1-screw 31-35	450	1,5
3413043	BISMAT® 2000 M8 1-screw 40-43	750	1,5
3413053	BISMAT® 2000 M8 1-screw 48-51	750	1,5
3413054	BISMAT® 2000 M8 1-screw 53-56	750	1,5
3413063	BISMAT® 2000 M8 1-screw 59-63	750	1,5
3403018	BISMAT® 2000 M8/M10 1-screw 15-18	450	1,5
3403023	BISMAT® 2000 M8/M10 1-screw 20-23	450	1,5
3403028	BISMAT® 2000 M8/M10 1-screw 25-28	450	1,5
3403035	BISMAT® 2000 M8/M10 1-screw 31-35	450	1,5
3403043	BISMAT® 2000 M8/M10 1-screw 40-43	750	1,5
3403053	BISMAT® 2000 M8/M10 1-screw 48-51	750	1,5
3403054	BISMAT® 2000 M8/M10 1-screw 53-56	750	1,5
3403063	BISMAT® 2000 M8/M10 1-screw 59-63	750	1,5

Table B2.1: The serviceability limit state and displacement criteria for serviceability limit state of Walraven pipe clamp BISMAT® 2000 1-screw

Part No.	Designation	Min. average serviceability limit state F_{SLS} [N]	Displacement criteria [mm]
3403064	BISMAT® 2000 M8/10 2-screw 57-64	1150	1,60
3403070	BISMAT® 2000 M8/10 2-screw 64-70	1150	1,60
3403080	BISMAT® 2000 M8/10 2-screw 73-80	1150	1,60
3403091	BISMAT® 2000 M8/10 2-screw 83-91	1750	1,82
3403105	BISMAT® 2000 M8/10 2-screw 100-105	1750	1,82
3403114	BISMAT® 2000 M8/10 2-screw 108-114	1750	1,82
3403119	BISMAT® 2000 M8/10 2-screw 116-119	1750	1,82
3403125	BISMAT® 2000 M8/10 2-screw 122-125	1750	1,82
3403141	BISMAT® 2000 M8/10 2-screw 133-141	1750	1,82
3423168	BISMAT® 2000 M10 2-screw 159-168	1950	3,36
3423210	BISMAT® 2000 M10 2-screw 200-210	1950	3,36
3423219	BISMAT® 2000 M10 2-screw 210-219	1950	3,36

Table B2.2: The serviceability limit state and displacement criteria for serviceability limit state of Walraven pipe clamp BISMAT® 2000 2-screw